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Atty. Docket No. CQ10139
PATENT APPLICATIONAMENDMENT UNDER 37 C.F.R. §1.111
U.S. Application No. 10/037,560**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (*Currently Amended*) A process for protecting a computer from hostile code, the process comprising:

defining at least two trust groups, each of the defined trust groups being characterized by a trust group value, a FromLower rules list pointer, and a ToLower rules list pointer;

assigning objects and processes in the computer to one of said trust groups, irrespective of the rights of a user of said computer;

defining at least two object types;

defining a plurality of operation types;

assigning an object type to each of the objects;

defining ~~an~~ a plurality of action rule rules, each of the action rules corresponding to at least one of the FromLower or ToLower rules list pointers, for each of the action rules listing a combination of an operation type from the plurality of operation types; an action ; process-trust group-value, object-trust-group-value, and object type; and,

upon an access request of an operation type by a requesting process to a target object, comparing the trust group value of the trust group of the process to the trust group value of the trust group of the object and;

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when the trust group value of the trust group of the process is higher than the trust group value of the trust group of the object, inspecting all action rules corresponding to the ToLower action rules list pointer of the trust group of the process to obtain a matching action rule listing the same operation type of the access request and the same object type of the target object and, once a matching action rule is obtained, performing the action indicated by the matching action rule; and

when the trust group value of the trust group of the process is smaller than the trust group value of the trust group of the object, inspecting all action rules corresponding to the FromLower action rules list pointer of the trust group of the object to obtain a matching action rule listing the same operation type of the access request and the same object type of the target object and, once a matching action rule is obtained performing the action indicated by the matching action rule applicable to the trust group value of the requesting process, the trust group value of the target object, and the object type.

2. *(Previously Presented)* The process of claim 1 wherein a process is assigned upon creation to the trust group assigned to the passive code from which the process is created.
3. *(Previously Presented)* The process of claim 1 further comprising changing the trust group of the process if the trust group value of the process is greater than the trust group value of the object.

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4. *(Previously Presented)* The process of claim 1, further comprising changing the trust group of said object after performing said action.
5. *(Previously Presented)* The process of claim 1 further comprising, upon creation of an object by a process, assigning said created object to the trust group of said process.
6. *(Currently Amended)* The process of claim 1, wherein the object types comprise executable file, document file, and registry key ~~further comprising defining at least two operation types and wherein said combination includes at least one of said operation types.~~
7. *(Canceled).*
8. *(Previously Presented)* The process of claim 3 further comprising assigning said process to the trust group of said object if the trust group of said process is higher than the trust group of said object.
9. *(Previously Presented)* The process of claim 3, wherein upon a restart of said process, the trust group of said process reverts to the original trust group of the object from which the process was created.
10. *(Currently Amended)* The process of claim 1, wherein each of the action rules further lists a rule priority ~~further comprising:~~
~~defining at least two process types;~~
~~assigning processes to one of said process types; and~~

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~~and wherein said combination includes at least one of said process types.~~

11. *(Previously Presented)* The process of claim 1, wherein said object types comprise passive code and executable code.

12. *(Currently Amended)* The process of claim 1 ~~[[6]]~~, wherein said operation types comprise open, read, create, modify, and delete.

13. *(Previously Presented)* A computer-readable medium comprising computer readable instructions for protecting a computer from hostile code, the instructions causing the computer to:

- define a plurality of trust group values;
- define a first and a second rule sets, each of said rule sets comprising a plurality of rules defining an action based on an operation type;
- identify objects and processes within the computer;
- define a table of at least two trust groups, wherein each trust group comprise one trust group value and said first and second rule sets; and
- assign objects and processes in the computer to one of said trust groups irrespective of the rights of a user of said computer;
- whereby upon operation of a process over an object, the computer is configured to:
 - compare a trust group value of the process with a trust group value of the object;
 - determine whether to allow the operation by following the rules of said first rule set if the trust group value of the process is not smaller than the trust group of the object and

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following the rules of said second rule set if the trust group value of the process is smaller than the trust group value of the object.

14. *(Previously Presented)* The computer-readable medium of claim 13 further comprising instructions causing the computer to:

define a table of types of at least two types of objects, the objects in the computer being assigned one type; and

wherein said plurality of rules define said actions further based on the type of said object.

15. *(Previously Presented)* The computer-readable medium of claim 13, wherein said operation type comprises open, read, create, modify, and delete.

16. *(Previously Presented)* The computer-readable medium of claim 14, wherein said types of objects comprise passive code and executable code.

17. *(Canceled).*

18. *(Canceled).*

19. *(Previously Presented)* The computer-readable medium of claim 13, wherein the computer is operatively coupled to a network, the network including a server, the table of trust groups stored in said server.

20. *(Canceled).*

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21. *(Previously Presented)* A computer-readable medium according to claim 13, wherein the computer is operatively coupled to a network, the network including a server, the table of rules is stored in said server.

22. *(Canceled)*.

23. *(Currently Amended)* A computer comprising:
a random access memory (RAM);
a non-volatile memory;
a processor coupled to said RAM and said non-volatile memory;
wherein said non-volatile memory comprises:
a list of object types;
a list of rules each of said rules defining an action based on an object type and
operation type;
a list of object trust groups, each trust group defining an object trust value and
coupled to at least one of said rules;
a plurality of objects, each of said objects having an object type and assigned to
one of said trust groups;
wherein upon start of the computer, a process trust list is initiated in said RAM;
and wherein when a process is created in said RAM from an originating object of one of
said objects, said processor assigns to said process a process trust value equal to the object trust
value of said originating object and enters the process trust value in said process trust list.

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24. *(Previously Presented)* The computer of claim 23, further comprising a controller receiving operation requests from said process to be performed on a target object of one of said objects and, upon receiving said requests said controller access said list of object trust groups, list of rules, and list of object type to determine whether to allow the operation.

25. *(Canceled)*.

26. *(Previously Presented)* The computer of claim 24, wherein when the controller allows the operation request but the process trust value is lower than the target object trust value, said processor resets the process trust value equal to that of the target object trust value.